MICROTEK

The dream machine: The ScanMaker 9800XL establishes a new benchmark for affordable large-format scanning. Beautifully crafted with precision engineering, it's a powerhouse performer with superlative hardware, patented technologies, and world-class software. Little wonder that it is the preferred workhorse for production environments, design houses, and professional graphics companies.

The ScanMaker 9800XL: A majestic addition to Microtek's time-honored tradition of excellence and innovation.

ScanMaker
9800XL

ScanMaker 9800XL

The new large-format scanner to beat

Featuring an astounding array of exceptional technologies that only Microtek can provide, the large-format ScanMaker 9800XL takes professional scanning to new and exhilarating highs.

Starting with a high optical resolution of 1600 x 3200 dpi and a massive 12" x 17" scan bed, this true 48-bit tabloid-size scanner gives you all the benefits of

superior digital imaging tailored for large-format, work-intensive production environments. And with powerful technology built into the scanner like multiple sampling and 3.7 maximum optical density, the ScanMaker 9800XL makes lifelike, vibrant images universally available and accessible.

For a complete powerhouse scanning solution, get the ScanMaker 9800XL with the included Transparent Media Adapter (TMA 1600) for scanning film and transparencies up to 12" x 16". You also get LaserSoft® SilverFast® Ai 6.0 with dust and scratch removal, and Genuine Fractals™ Print Pro™ for creating poster-size, yet manageable, image files. A separate scanner package without TMA is also available.

**ScanMaker 9800XL
with Transparent Media Adapter**

Original Image — 3.4 Dmax — 3.7 Dmax

Professional imaging

A dream machine for professional and graphic designers, the ScanMaker 9800XL boasts of remarkable optics. It captures images in true 48-bit color (input and output). Its optical resolution of 1600 x 3200 dpi (12,800 dpi interpolated) lets you scan even postage-size images and blow them up with amazing clarity, with little loss of detail. And the scanner's 3.7 maximum optical density allows it to capture a wide range of tones approximating real-life color and hues.

Breaking new ground in the arts with the ScanMaker 9800XL

As the scanner of choice for digital artist Bonny Lhotka and animation cell restorer Ron Stark, the ScanMaker 9800XL plays a pivotal role in the creation and preservation of art by these ground-breaking innovators.

Lhotka, a member of the nationally renowned group of artists comprising the Digital Atelier, uses Microtek's large-format scanner to fuse elements of traditional art with real-world artifacts and modern-day objects to create exciting hybrid art forms. In her work entitled "Lily", for instance, Lhotka scanned a flower from her garden on the ScanMaker 9800XL, then combined it with a digital photo taken of a wooden

tray as the initial step towards the creation of a mixed-media fresco.

For Ron Stark, an animation cel restoration expert and archival historian, the ScanMaker 9800XL is an important tool in his lab. As director of S/L Laboratories Animation Art Conservation Center in Westlake Village in Los Angeles, Stark uses the scanner to digitally archive restored cels – those individual pieces of art on clear plastic that were used to make the animated films of yore. The scanner's extra-large bed size is especially helpful in accommodating large panels of animation art, and the scanner's superior optics are critical in making sure

the colors are captured accurately for archiving. The results of the scan can be seen on Stark's web site and in the CD-ROM and catalog he publishes twice a year, where the art pieces are auctioned off to eager collectors.

"I've done virtually anything and everything with the scanner," says Stark, who uses the ScanMaker 9800XL to scan restored cells for archiving and print publishing. "This is really the workhorse of our digital imaging environment." The carefully restored cels are captured perfectly and accurately by the ScanMaker 9800XL. "I use it every day," he says, "and it's been fantastic!"

Scan oversized originals

With its huge 12" x 17" bed size, the ScanMaker 9800XL is the perfect scanner for photographers, graphic design houses, production environments, and medical offices. The tabloid-size scan bed allows easy and efficient scanning of contact sheets, large pieces of art, mechanical blue prints, and X-rays.

Support for film scanning

Add the optional Transparent Media Adapter, and the ScanMaker 9800XL is ready to scan X-rays, positive transparencies, and negative film. The included templates accommodate a variety of film sizes including 35mm filmstrips and slides, 6 cm x 9 cm film, and 4" x 5".

Multiple sampling for exceptional image quality

Built into the scanner, multiple sampling effectively minimizes signal fluctuation and artifacts, contributing to purer image output and enhanced optical density range. Each scanned line is sampled in user-selectable frequencies (2, 4, 8 or 16), with the samples then averaged out to eliminate image noise and distill top-quality data.

SCSI-2　　　　**USB Port**　　　　**FireWire Port**

Triple interface for true versatility

A triple interface lets you connect the scanner to the widest array of computers on the market today. Choose from FireWire or USB for fast data transfer, hot swap, and easy connectivity. For those who want SCSI-2, the ScanMaker 9800XL offers this popular interface as well.

Network scanning in Windows

Save on resources with LANShare, a utility included in the ScanMaker 9800XL. When space or resource allocation limits the number of scanners that can be installed, network scanning lets you share the scanner on a local area network, enabling other computers to use the scanner as if it were locally connected.

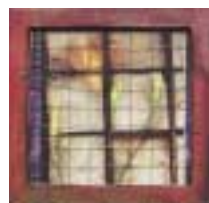*S/R Laboratories Animation Art Conservation Center*

Lily 32" x 32"　©Bonnie Lhotka 2002

ScanMaker 9800XL with TMA **ScanMaker 9800XL**

The final touch.

The superior hardware of the ScanMaker 9800XL is complemented by a matchless software bundle. Microtek® ScanWizard™ Pro with integrated Kodak Digital Science color management is an advanced scanner controller designed to provide powerful professional-level features through an intuitive and versatile interface. Among ScanWizard Pro's powerful features are a full palette of high-level color reproduction tools; easy-to-use color correction with auto levels; full dynamic range control; direct CMYK or RGB scanning; descreening; and batch scanning for scanning multiple jobs. And to ensure accurate color reproduction, the Microtek Scanner ICC Profiler calibration utility is included with over 100 ICC profiles for calibrating to specific displays, output devices, and working color spaces.

Also bundled (with the ScanMaker 9800XL with TMA) is LaserSoft® SilverFast® Ai 6 — the choice of many professional photographers for its user-friendly interface and advanced options. New features include SRD®, which eliminates dust and scratches; GANE® for reducing film grain, and ACR to automatically restore faded colors. These are in addition to NegaFix™, which includes over 120 film profiles for real-time negative film optimization. LizardTech™ Genuine Fractals™ Print Pro™ offers virtually lossless compression and amazing 800% scaling with no loss in quality for truly superior enlargements.

©Bonny Lhotka 2002

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www.microtek.com

Special thanks to Bonnie Lhotka for the use of her digital fine art and to Ron Stark for his images. Both Bonnie and Ron use Microtek scanners for a great deal of their work. To see more of Bonnie's digital fine art, please visit www.Lhotka.com. To see Ron's gallery of restored animation cels, please visit www.srlabs.com.

	ScanMaker 9800XL with TMA	ScanMaker 9800XL
Scanner Type	Single-pass, color flatbed scanner	Single-pass, color flatbed scanner
Original Type	Reflective originals up to 12" x 17" and transparent originals up to 12" x 16"	Reflective originals up to 12" x 17"
Scanning Area	up to 12"x17"; positive, negative, color or monochrome	up to 12"x17"; color or monochrome
Optical Resolution	1600 x 3200 dpi (up to 12,800 dpi interpolated)	1600 x 3200 dpi (up to 12,800 dpi interpolated)
Optical Density	3.7 maximum optical density	3.7 maximum optical density
A/D Conversion	16-bits per color channel	16-bits per color channel
Output Data	16-bits, 8-bits per channel (user selectable)	16-bits, 8-bits per channel (user selectable)
Multiple Sampling	2, 4, 8, 16 times (user selectable)	2, 4, 8, 16 times (user selectable)
Color Management	Built-in Kodak® color management; uses standard ICC profiles; includes over 140 profiles; Apple ColorSync® & Microsoft® ICM compatible	Built-in Kodak® color management; uses standard ICC profiles; includes over 140 profiles; Apple ColorSync® & Microsoft® ICM compatible
Focus	Fixed	Fixed
Exposure	Auto and manual exposure control	Auto and manual exposure control
Panel Indicators	Power, busy & error status indicated by two front LEDs	Power, busy & error status indicated by two front LEDs
Light Source / Life	Cold cathode fluorescent / 10,000 hours continuous use	Cold cathode fluorescent / 10,000 hours continuous use
Optics	21,360-element Kodak® tri-linear CCD array Single lens, 5 elements in 4 groups with anti-reflective coating each	21,360-element Kodak® tri-linear CCD array Single lens, 5 elements in 4 groups with anti-reflective coating each
Interface	FireWire (IEEE-1394 standard), SCSI-2 & USB	FireWire (IEEE-1394 standard), SCSI-2 & USB
Dimensions	24.5" L x 14.5" W x 7.125" H (622.3mm L x 368.3mm W x 180.975mm H)	24.5" L x 14.5" W x 5.125" H (622.3mm L x 368.3mm W x 130.175mm H)
Weight	45 lbs (20.4117 kg)	36 lbs (16.3293 kg)
Power	Power Supply Auto-switching universal, 100-240 VAC, 47-63Hz; Power Consumption 45 Watts max	Power Supply Auto-switching universal, 100-240 VAC, 47-63Hz; Power Consumption 45 Watts max
Environment	Temperature 50° to 104°F (10° to 40°C) Humidity 20% to 85% RH	Temperature 50° to 104°F (10° to 40°C) Humidity 20% to 85% RH
Regulatory Certification	Safety- ETL&ETL_c:UL 1950, CSA 22.2; ITGS:EN60950, CB: IEC950; EK:K60950; EMI- FCC: CISPR 22 / 1985 Class B; CE: EN55022/ 1998,EN55024/ 1998; VCCI: VCCI/ 1997 (12th Edition); BSMI: CNS 13438 (C6357); C-Tick: AS/ NZ 3548/ 1995; Acoustics- 55dBA max per ISO 7779	Safety- ETL&ETL_c:UL 1950, CSA 22.2; ITGS:EN60950, CB: IEC950; EK:K60950; EMI- FCC: CISPR 22 / 1985 Class B; CE: EN55022/ 1998,EN55024/ 1998; VCCI: VCCI/ 1997 (12th Edition); BSMI: CNS 13438 (C6357); C-Tick: AS/ NZ 3548/ 1995; Acoustics- 55dBA max per ISO 7779
Package Contents	ScanMaker® 9800XL scanner; TMA 1600 (transparent media adapter for transparencies up to 12"x16"); Templates for scanning 35mm slides and filmstrips, 4"x5", adjustable medium format film up to 6x9cm; Kodak® Q60 RX and TX targets; FireWire card (PC); 6-pin FireWire cable; USB cable; power cord; Microtek® ScanWizard™ Pro, Adobe® Photoshop® Elements, ABBYY® FineReader Sprint OCR, Kodak Digital Science™ CMS, LaserSoft™ SilverFast® Ai 6, LizardTech™ Genuine Fractals™ PrintPro™, Ulead® Photo Explorer, Microtek® LANShare Utility, Adobe® Acrobat® Reader	ScanMaker® 9800XL scanner; Kodak Q60R-1 (Reflective) Calibration Target; FireWire card (PC); 6-pin FireWire cable; USB cable; power cord; Microtek® ScanWizard™ Pro, Adobe® Photoshop® Elements, ABBYY® FineReader Sprint OCR, Kodak Digital Science™ CMS, Ulead® Photo Explorer, Microtek® LANShare Utility, Adobe® Acrobat® Reader

System Requirements

CD-ROM drive (for installing software), Color monitor with 24-bit color capability, 64MB RAM (128MB or more recommended)

· **PC & Compatibles USB Connection**
- Pentium PC or later with USB port; running Microsoft Windows 98/2000/Me/XP

· **PC & Compatibles FireWire Connection**
- Pentium PC or later with FireWire IEEE 1394 port or available PCI slot; running Microsoft Windows 98 SE/2000/Me/XP

· **PC & Compatibles SCSI Connection**
- Pentium PC or later with SCSI port; running Microsoft Windows 95/98/2000/Me/NT 4.0/XP

· **Macintosh with USB Connection**
- iMac or PowerMac G3/G4 with built-in USB port; Mac OS 9.x, OS X (V 10.1.3 to 10.2) (Built for OS X)

· **Macintosh with FireWire Connection**
- iMac or PowerMac G3/G4 with built-in FireWire port; Mac OS 9.x, OS X (V 10.1.3 to 10.2) (Built for OS X)

· **Macintosh with SCSI Connection**
- PowerMac G3/G4 with built-in SCSI port; Mac OS 8.6, 9.x, OS X (V 10.1.3 to 10.2) (Built for OS X)